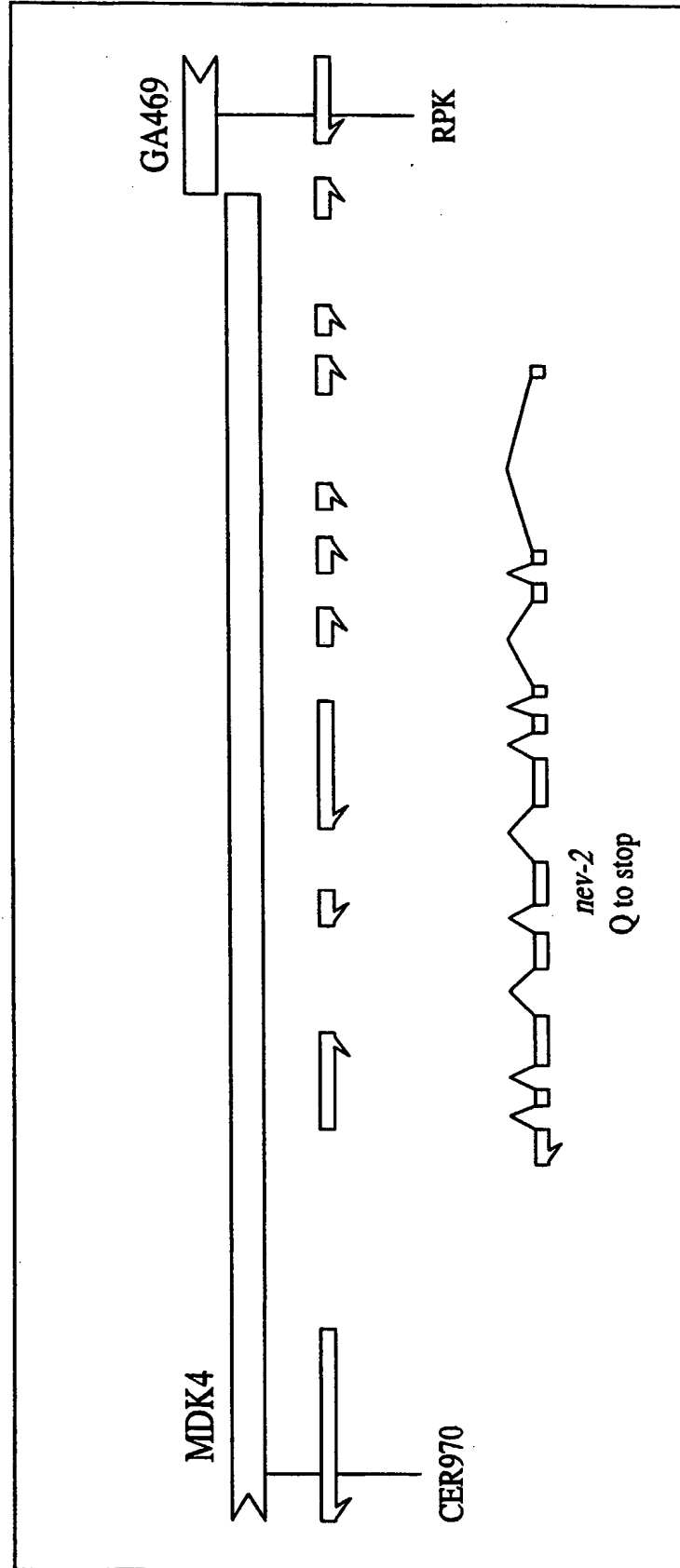


NEVERSHED genomic position



chromosome 5

FIG. 1

NEVERSHED contains a predicted ARFGAP domain

nev -1
C to Y



plant	NEV	HRKILEGLLKHPENRE	AD	KTKGPRWASVNLGIFI	MO	SGIHRSLGVHISKVRSATLD
rat	ARFGAP1	TRKVLKEVRAQDENNV	FE	GAPNPQWVSVTYGIWI	LE	SGRHRGLGVHLSFVRSVTMD
yeast	GCS1	TRRRLLQLQKIGANKK	MD	GAPNPQWATPKFGAFI	LE	AGIHRGLGVHISFVRSITMD
fly	CG8243	CQTLTQMLRDEDNKY	VD	DAKGPRWASWNLGMFL	IR	AGIHRNLGVHISRVKSVNLD
worm	WO9D10.1	LQGFLLDMLKEEENKY	AD	QAKTPRWAAWNLGIFI	IR	AGIHRNLGVHISRVNSVNLD

C C P W G C C HR

NEV	TWLPEQVAFIQSMGNDKANSYWEAELPPNY....DRVGIENFIRAKYEKKRWV
ARFGAP1	KWKDIELEKMKAGNAKFFREFLEA.....QDDYEPSWSLQDKYSSRAAA
GCS1	QFKPELLRMEKGGNEPLTEWFK.....SHNIDLSPQKVKYDNPVAE
CG8243	TWTPEQVISLQQMGNSRARAVYEAQLPDGFRFRPQTDTALENFIRAKYDHKKYL
WO9D10.1	SWTPEQVOIMRVMGNEKARQVYEHDLPQAFRRPTNDQOOMEQPIRSKYEQKRYI KY

FIG. 2